

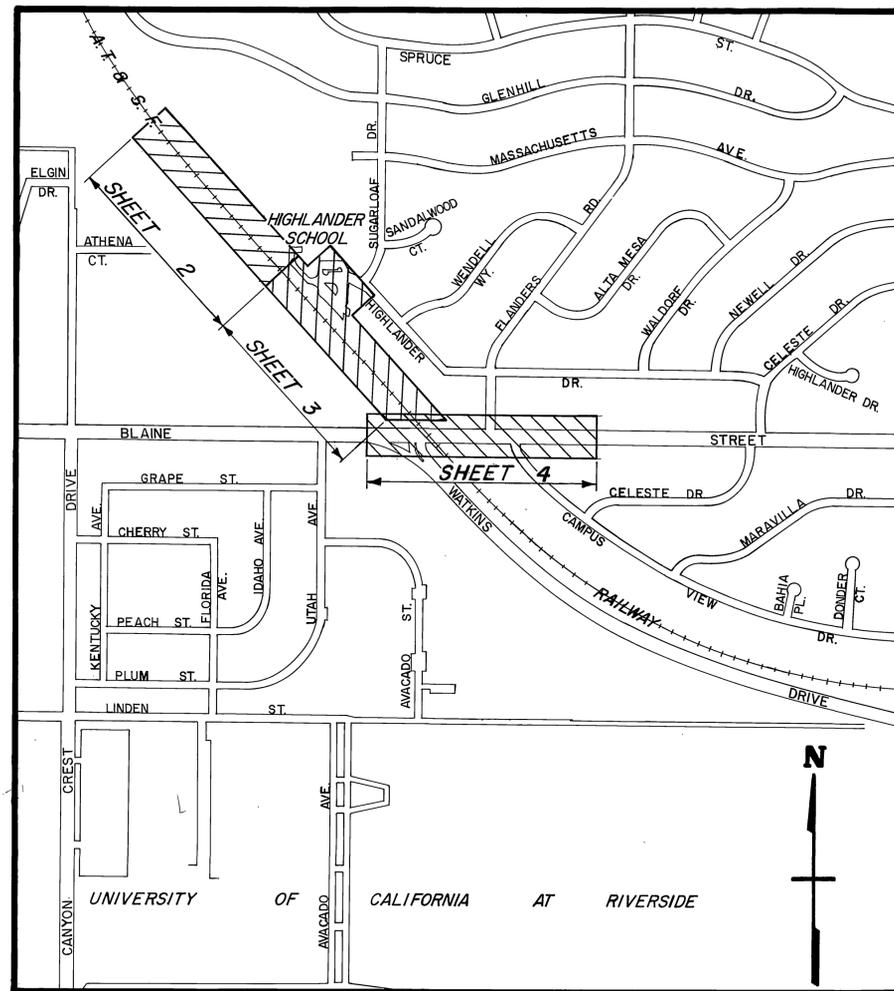
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

EXISTING CULTURE AND UNDERGROUND LEGEND

EXISTING UNDERGROUND UTILITIES			
SANITARY SEWER	8" VCP-S	TELEPHONE CONDUIT	T-T
WATER LINE	6" CI-W	ELECTRICAL CONDUIT	E-E
STORM DRAIN	24" RCP-SD	STREET LIGHTING	SL-SL
CULVERT	15" CONC-C	TRAFFIC SIGNAL	SIG-SIG
IRRIGATION LINE	20" IRR	FIRE ALARM	F-F
GAS LINE	3" M-G		

GENERAL NOTES

- ALL GENERAL NOTES ARE SHOWN ON SHEETS WHERE APPLICABLE TO WORK.
-  = STANDARD DRAWINGS AS LISTED BELOW.
- PAVEMENT REPLACEMENT SHALL BE 4" OF ASPHALTIC CONCRETE AND 6" OF CLASS III BASE, PER CITY OF RIVERSIDE REQUIREMENTS.



PROJECT LOCATION PLAN



SCALE 1" = 400'

EXISTING TOPOGRAPHY

BLOCK WALL	TOP OF SLOPE
BOARD FENCE	TOE OF SLOPE
WIRE FENCE	DIRECTION OF FLOW
CHAIN LINK FENCE	
CENTER LINE	
RIGHT-OF-WAY LINE	
SUBDIVISION LOT LINE	

⊙ SANITARY SEWER MH	⊙ POWER POLE	⊞ RAILROAD TRACKS
⊙ SANITARY SEWER CLEANOUT	⊙ GUY POLE	⊞ RAILROAD SIGN
⊙ STORM DRAIN MH	⊙ POLE & GUY ANCHOR	⊞ RAILROAD SIGNAL
⊙ IRRIGATION WEIR	⊙ PULL BOX	
⊙ WATER MH	⊙ TRAFFIC SIGN	
⊙ GAS MH	⊙ PARKING METER	⊙ STREET LIGHT (UPRIGHT)
⊙ ELECTRIC MH	⊙ FIRE ALARM BOX	⊙ STREET LIGHT
⊙ TELEPHONE MH OR VAULT	⊙ STREET NAME SIGN	⊙ TRAFFIC SIGNAL
⊙ WATER METER	⊙ GAS METER	⊙ TRAFFIC SIGNAL ON MAST ARM
⊙ FIRE HYDRANT	⊙ MAIL BOX	⊙ TRAFFIC CONTROL BOX
⊙ SPRINKLER HEAD	⊙ HYDRANT OR FAUCET	⊙ TRAFFIC SIGNAL DETECTOR
⊙ VALVE		⊙ PEDESTRIAN CONTROL FOR TRAFFIC SIGNAL

CONCRETE	TREE SHOWING DIAMETER IN INCHES
ASPHALT	PALM SHOWING DIAMETER IN INCHES
EDGE OF PAVEMENT	SHRUBBERY
BUILDING	TREE STUMP DIAMETER IN INCHES
UNDERGROUND OR OVERHANGING STRUCTURE	

ABBREVIATIONS

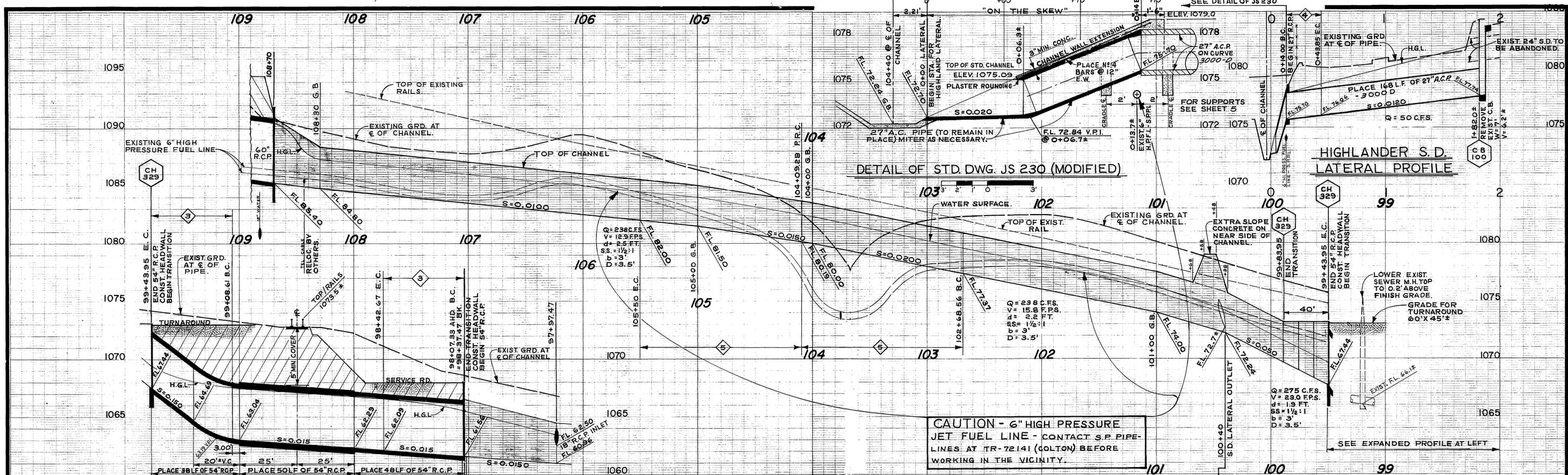
A.C. - ASPHALTIC CONCRETE	M.H. - MANHOLE
B.C. - BEGINNING OF CURVE	N.T.S. - NOT TO SCALE
C.B. - CATCH BASIN	O.G. - ORIGINAL GROUND
E.C. - END OF CURVE	P.R.C. - POINT OF REVERSE CURVE
G.B. - GRADE BREAK	P.U.E. - PUBLIC UTILITY EASEMENT
H.G.L. - HYDRAULIC GRADE LINE	P.C.C. - POINT OF COMPOUND CURVE
H.P.F.L. - HIGH PRESSURE FUEL LINE	R.C.P. - REINFORCED CONCRETE PIPE
J.S. - JUNCTION STRUCTURE	R.E. - RIGHT OF ENTRY
L.D. - LOCAL DEPRESSION	S.D.E. - STORM DRAIN EASEMENT
S.P.P.L. - SOUTHERN PACIFIC PIPE LINE	C.M.P. - CORRUGATED METAL PIPE
T.C.E. - TEMPORARY CONSTRUCTION EASEMENT	
V.C. - VERTICAL CURVE	A.C.P. - ASPHALTIC CONCRETE PIPE

SHEET INDEX

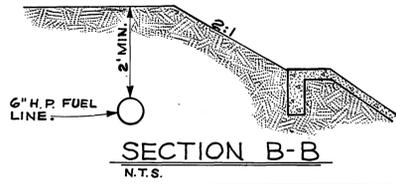
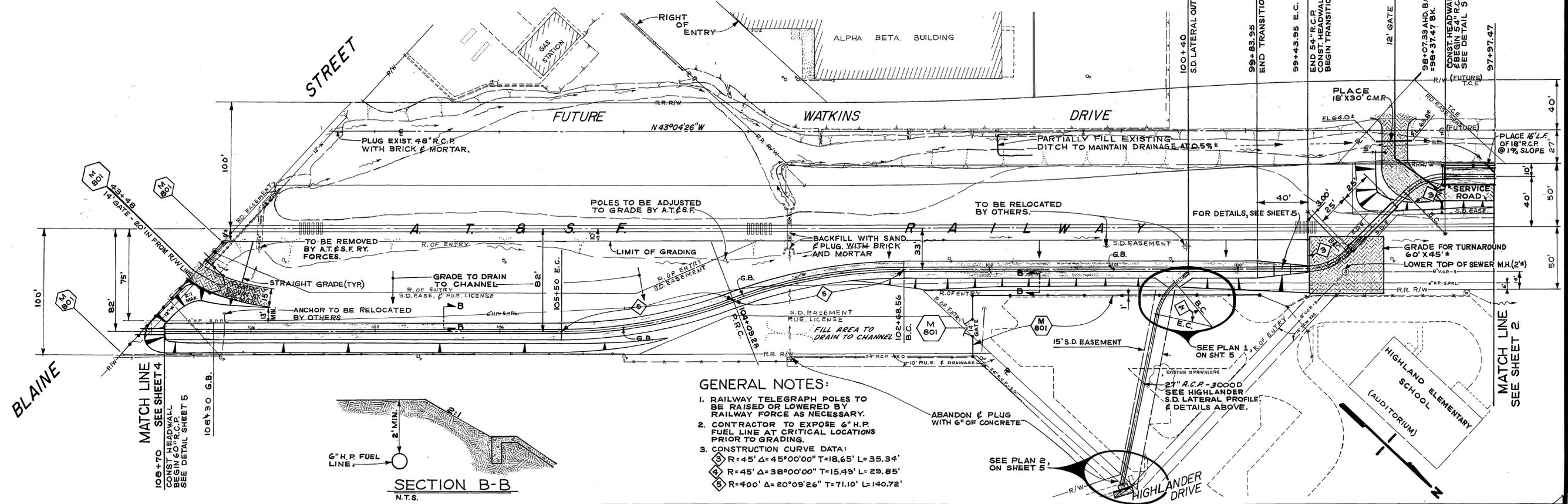
SHEET 1	TITLE SHEET
" 2	STA. 88+80.00 TO STA. 97+97.47
" 3	STA. 97+97.47 TO STA. 108+70.00
" 4	STA. 108+70.00 TO STA. 112+75.00
" 5	CHANNEL TRANSITION & HEADWALL DETAILS <u>R.C.F.C. & W.C.D. STANDARD DRAWINGS</u>
SHEET 5	J.S. 230 (MOD) MODIFIED JUNCTION STRUCTURE NO. 5
" 6	CB 100 CATCH BASIN NO. 1 CB 103 MANHOLE FRAME & COVER FOR CATCH BASINS
" 7	CB 105 DETAIL OF CATCH BASIN OPENING LD 201 LOCAL DEPRESSION NO. 2
" 8	JS 227-1 JUNCTION STRUCTURE NO. 2 JS 227-2 " " " "
" 9	MH 251-1 MANHOLE NO. 1 MH 251-2 " " " "
" 10	MH 254-1 MANHOLE NO. 4 MH 254-2 " " " "
" 11	MH 255 MANHOLE FRAME & COVER, NON-ROCKING MH 257 MANHOLE SHAFT FOR CAST PIPE
" 12	MH 259 STANDARD DROP STEP M 803 CONCRETE COLLAR FOR PIPES 12" THROUGH 66"
" 13	CH 326 TRAPEZOIDAL CHANNEL DETAILS
" 14	M801 CHAIN LINK FENCE DETAIL
" 15	M804 TIMBER BULKHEADS M813 CURB & GUTTER
" 16	M807 SANITARY SEWER PROTECTION <u>CITY OF RIVERSIDE STANDARD DRAWINGS</u>
SHEET 17	C/R 302 DRIVEWAY APPROACH C/R 325 COMBINATION CURB, GUTTER & SIDEWALK
" 18	C/R 410-1 FLAT INLET OR OUTLET STRUCTURE C/R 410-2 " " " "
" 19	C/R 425 CLEANOUT BOX C/R 450 CATCH BASIN FRAME & COVER
" 20	TRAFFIC PLAN

C./RIV. DWG. No D-170 INDEXED: RYM

BENCH MARK I.P. WITH BRASS DISC. COORD. POINT BLAINE AND WATKINS (SOUTH) REF. C/R FB. 712/40 ELEV. 1091.470 SCALE: AS SHOWN DATE:	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		REVISIONS		RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		UNIVERSITY WASH SPRUCE STREET STORM DRAIN TITLE SHEET 1970 STORM DRAIN BOND ISSUE PROJECT NO. 5		PROJECT NO. 1-0-124
	APPROVED BY: [Signature] PRINCIPAL ENGINEER TRAFFIC DIVISION CHIEF PUB. WKS. ENGR.	BY: [Signature] DATE: 8/4/72	APPROVED BY: [Signature] DIRECTOR OF PUBLIC WORKS	DESIGNED BY: [Signature] DRAWN BY: J.P. Goetz DATE DRAWN: JULY 1972	APPROVED BY: [Signature] CHIEF ENGINEER R.E. NO. 8822 DATE: 8-22-72	DRAWING NO. 1-283	SHEET NO. 1 OF 20		



CAUTION - 6" HIGH PRESSURE JET FUEL LINE - CONTACT S.P. PIPE-LINES AT TR-72141 (COLTON) BEFORE WORKING IN THE VICINITY.



- GENERAL NOTES:**
- RAILWAY TELEGRAPH POLES TO BE RAISED OR LOWERED BY RAILWAY FORCE AS NECESSARY.
 - CONTRACTOR TO EXPOSE 6" H.P. FUEL LINE AT CRITICAL LOCATIONS PRIOR TO GRADING.
 - CONSTRUCTION CURVE DATA:
 1. R=45' Δ=45°00'00" T=18.65' L=35.34'
 2. R=45' Δ=38°00'00" T=15.49' L=29.85'
 3. R=400' Δ=20°09'26" T=71.10' L=140.72'

-CAUTION-
PACIFIC TELEPHONE
 CABLES UNDERGROUND
 BEFORE EXCAVATING
 CALL COLLECT:
 7:30 A.M. to 5 P.M. & Holidays
 Orange County 714-633-0871
 Riverside County 714-684-0071

PLAN
 1" = 40'
 0 40'

BENCH MARK
 I.P. WITH BRASS DISC. COORD. POINT
 BLAINE AND WATKINS (SOUTH)
 REF. C/R.F. 712/40
 ELEV. 1091.470
 SCALE: AS SHOWN
 DATE:

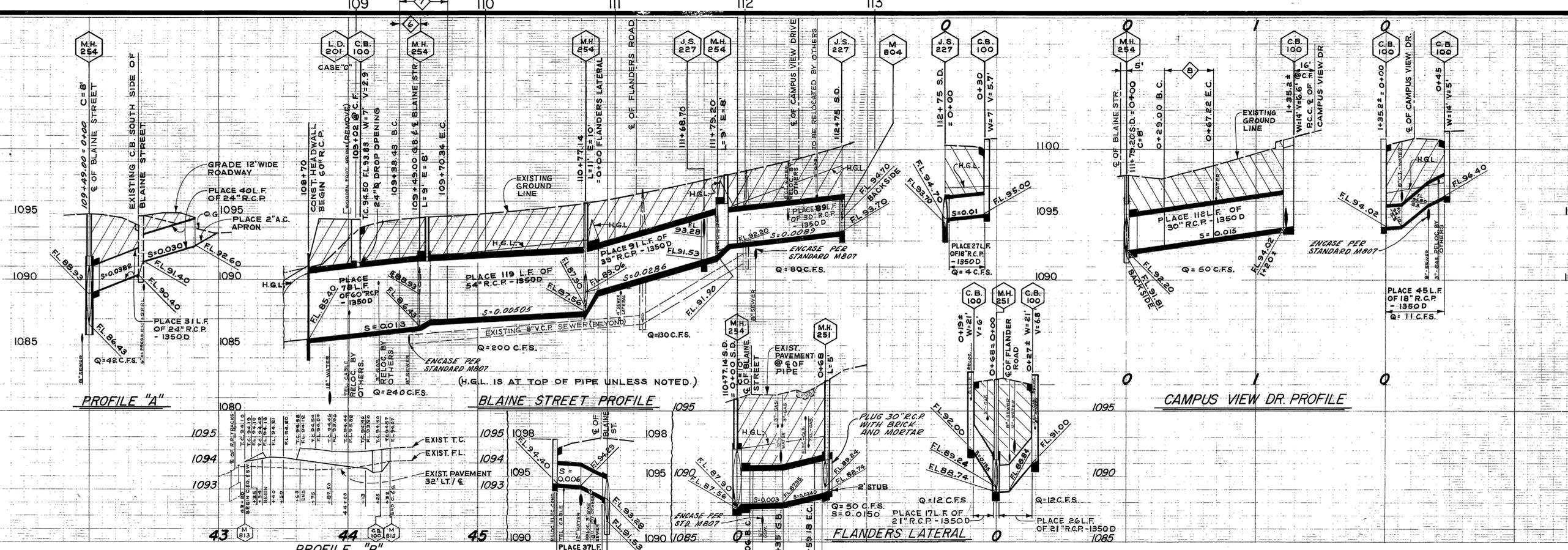
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
 APPROVED BY: *William D. Gardner*
 DIRECTOR OF PUBLIC WORKS
 DATE: 8/1/72

REVISIONS	DESCRIPTION	APPR. DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
 DESIGNED BY: P.C.F.
 DRAWN BY: J.P. GOETZ
 DATE DRAWN: JULY 1972
 APPROVED BY: *John W. Stewart*
 CHIEF ENGINEER R.E. NO. 8822
 DATE: 8-23-72

UNIVERSITY WASH
SPRUCE STREET STORM DRAIN
 STA. 97+97.47 TO STA. 108+70.00
 1970 STORM DRAIN BOND ISSUE PROJECT NO. 5

PROJECT NO. 1-0-124
 DRAWING NO. 1-283
 SHEET NO. 3 OF 20



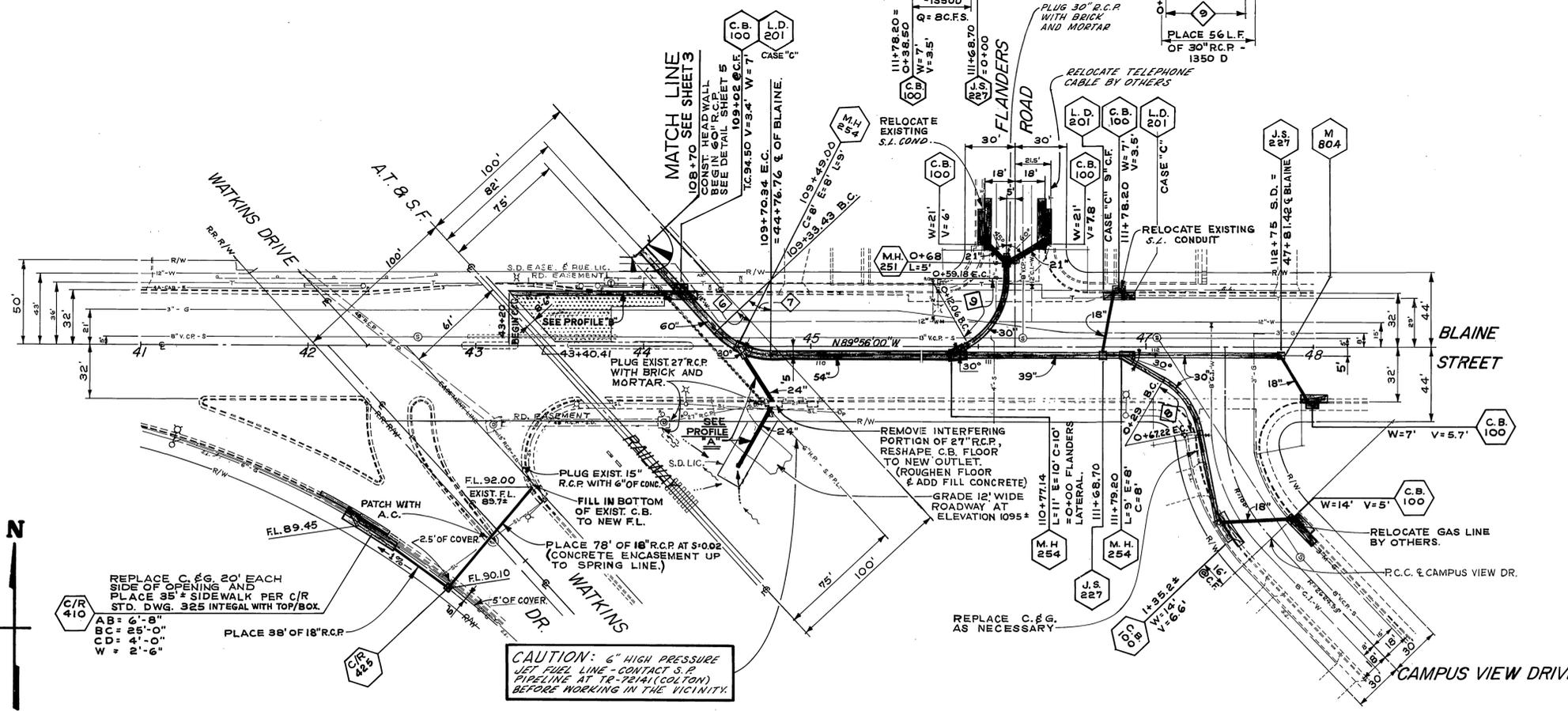
PROFILE "A"

BLAINE STREET PROFILE

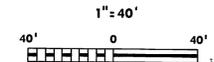
PROFILE "B"

FLANDERS LATERAL

CAMPUS VIEW DR. PROFILE



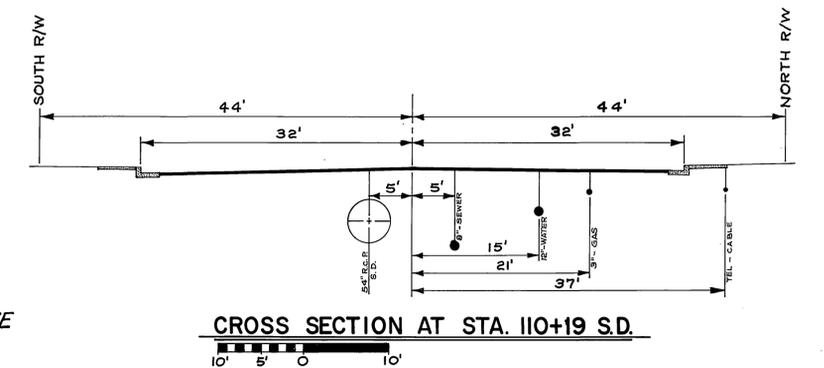
PLAN



GENERAL NOTES:

- FOR EXISTING DRAINAGE FACILITIES SEE DRAWING R-1201.
- USE R.C.F.C. DWG. M-803 AT GRADE BREAKS IN PIPE.
- CONSTRUCTION CURVE DATA:

①	R=45'	Δ=19°49'27"	T=7.87'	L=15.57'
②	R=45'	Δ=47°00'00"	T=19.57'	L=36.91'
③	R=45'	Δ=48°40'00"	T=20.35'	L=38.22'
④	R=45'	Δ=60°00'00"	T=25.98'	L=47.12'



CROSS SECTION AT STA. 110+19 S.D.

-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
 CALL COLLECT:
 7:30 A.M. to 5 P.M. & Holidays
 Orange County 714-633-0811 714-547-6606
 Riverside County 714-684-0071 714-547-6606

REPLACE C. & G. 20' EACH SIDE OF OPENING AND PLACE 35" SIDEWALK PER C/R STD. DWG. 325 INTEGRAL WITH TOP/BOX.
 AB=6'-8"
 BC=25'-0"
 CD=4'-0"
 W=8'-6"

PLACE 38" OF 18" R.C.P.

CAUTION: 6" HIGH PRESSURE GAS FUEL LINE - CONTACT S.P. PIPELINE AT TR-22141(COLTON) BEFORE WORKING IN THE VICINITY.

BENCH MARK
 I.P. WITH BRASS DISC. COORD. POINT
 BLAINE AND WATKINS (SOUTH)
 REF. C/R F.B. 712/40
 ELEV. 1091.470
 SCALE: AS SHOWN
 DATE:

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	APPROVED BY	DATE
PRINCIPAL ENGINEER	7/13/72	W. D. Gardner	3/4/72
TRAFFIC DIVISION	7/13/72	DIRECTOR OF PUBLIC WORKS	
CHIEF PUB. WKS. ENGR.			

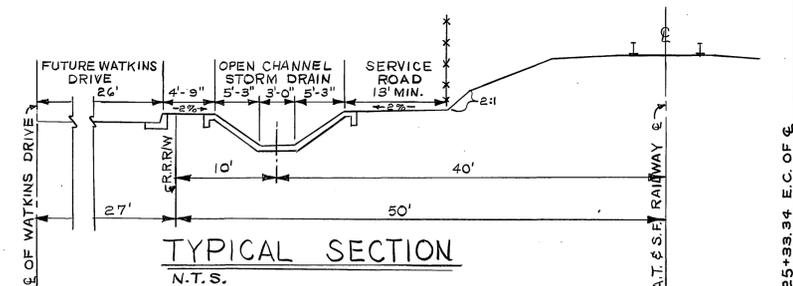
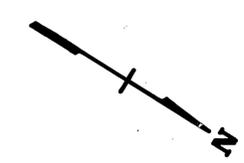
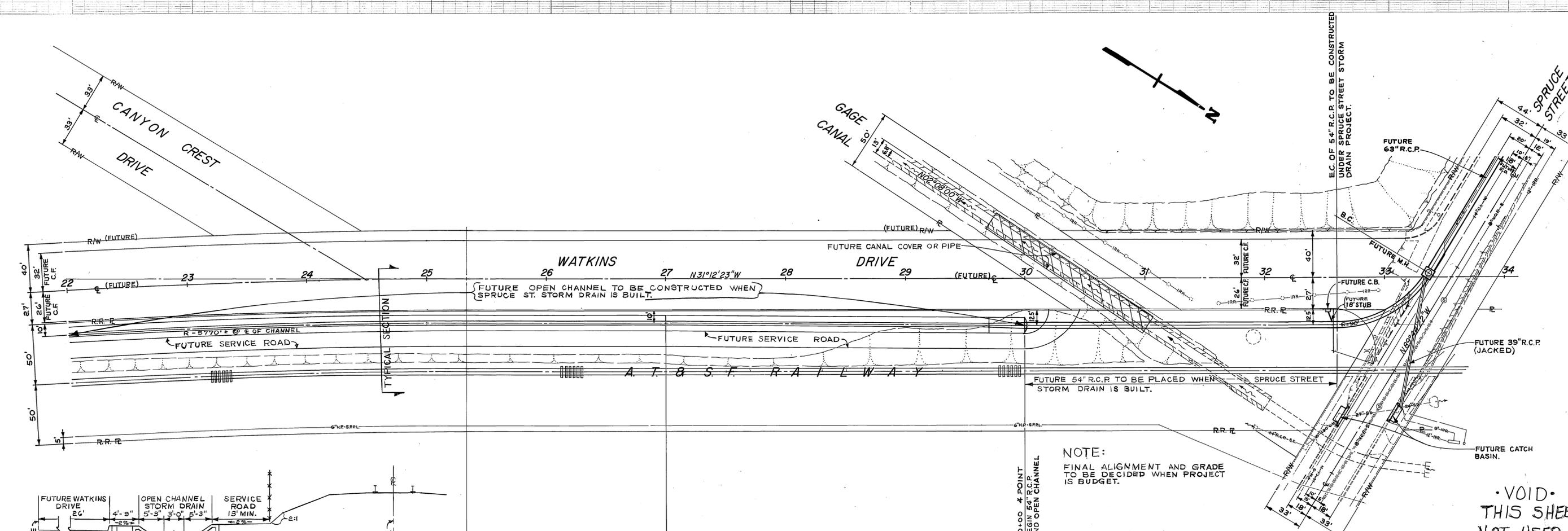
REVISIONS	DESCRIPTION	APPR. DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: BOK	APPROVED BY:
DRAWN BY: J.P. GOETZ	CHIEF ENGINEER/R.E. NO. 8822
DATE DRAWN: JULY 1972	DATE: 8-29-72

UNIVERSITY WASH
 SPRUCE STREET STORM DRAIN
 STA. 108+70.00 TO STA. 112+75.00
 1970 STORM DRAIN BOND ISSUE PROJECT NO. 5

PROJECT NO. 1-0-124
 DRAWING NO. 1-283
 SHEET NO. 4 OF 20



NOTE:
FINAL ALIGNMENT AND GRADE
TO BE DECIDED WHEN PROJECT
IS BUDGET.

VOID
THIS SHEET
NOT USED.

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		WATKINS-BLAINE STORM DRAIN S.D. WORK ONLY		PROJECT NO. D-170
APPROVED BY PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF P. W. ENGR.	BY DATE	APPROVED BY DIRECTOR OF PUBLIC WORKS	DATE	SHEET 1 OF 1 FILE NO.
DESIGNED BY DRAWN BY CHECKED BY	REVISIONS APPR. DATE	HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" =		